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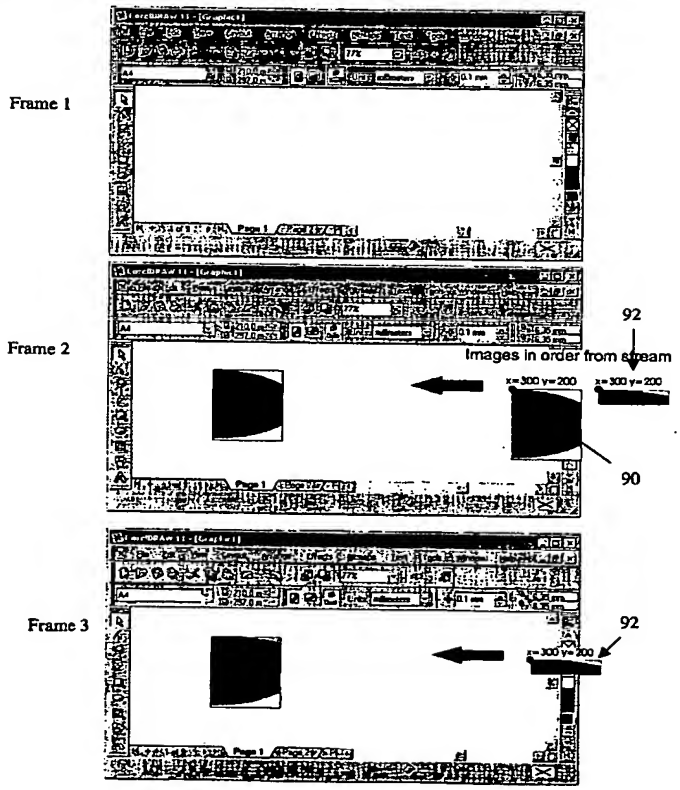
(54) Title: COMPUTER SCREEN MOTION CAPTURE



(57) Abstract: A computer screen capture method is described that consists of the following steps: capturing screen data at predetermined capture intervals of a selected area including the whole or part of a computer screen. Each successive captured screen data is compared with the immediately preceding captured screen data to determine what area of the screen changes within one or more smaller areas of the selected area. An event list is created having an event interval at least equal to or less than the said predetermined capture interval containing none, one or more entries per interval, wherein the entries maybe one or more of a unique reference to events representing visual change. Previous and successive said smaller areas of the selected area are recreated by playback of the relevant events in the event list. The previously captured area is compared with the current area to determine the minimum area of change that is stored as a minimum area. A file is created containing at least minimum stored area, and an event list representing changes over time of the whole or part of the area of a computer screen. The various files can be compressed for transmission to a remote recipient. The invention provides a compact file containing all the elements sufficient to reproduce the screen and accompanying instructions including verbal or visual instruction and information. Compact files are best for transmission on low capacity data communication facilities such as over dial-up modems.

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